

ABSTRACT

A method and apparatus for a seal assembly for a unitized wellhead system for land or platform applications utilizes a friction grip technology to create maintainable metal-to-metal seals with finely-controlled contact stresses, lock-down casing and tubing hangers, support test loads to minimize the size of landing shoulders required, and to rotationally lock casing hangers to provide simplified running procedures. The system can be used in combination with a friction grip clamping assembly to greatly streamline the wellhead design.

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